

Investigation Title: Utilization of Skylab (EREP) System for Appraising Changes in Continental Migratory Bird Habitat.

EREP Investigation No. 486

Period Covered: June 1974

NASA Contract No. T-4114B

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Type of Report: Monthly Progress

Overall Status:

Water recognition maps and statistics for one aircraft transect flown on each of two dates, 12 May and 12 August 1973, have been generated. MSS signatures for the aircraft transect of 12 August 1973 have been developed and analyzed. For the 10 training categories selected we have found that four spectral channels of aircraft MSS data produced reasonably accurate results. Thereafter as additional channels are utilized significantly little improvement in recognition was achieved. The four channels selected were as follows:

.62 - .72 um
1.00 - 1.40 um
.46 - .49 um
2.0 - 2.60 um

Recommendations for Action:

It is our understanding that the additional S-192 coverage requested for the observation of 12 June 1973 is on hand at NASA/JSC. It would be desirable to receive the maximum amount of data available (approximately 15 seconds) for that observation since it represents the only occasion on which S-192 data were collected for site 866-323. During this reporting period, two interim S-192 tapes have been received. We understand that these tapes are not fully corrected and that total site coverage is not included. We plan on retaining these tapes for use in a contingency situation but we expect to receive improved CCT's in the near future.

W74-27769

(EREP)

UTILIZATION OF SKYLAB (EREP)
SYSTEM FOR APPRAISING CHANGES IN
CONTINENTAL MIGRATORY BIRD HABITAT
Monthly (Bureau of Sport Fisheries and
Wildlife) 2 p HC \$4.00

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Significant Results:

None to report.

Summary Outlook:

Significant progress continues to be made in processing of supporting aircraft data. The processing of EREP S-192 data remains a major effort of the investigation which is still to be undertaken.

Travel Summary and Outlook:

An individual, to be selected, will represent this investigation at the EREP Principal Investigators Data Meeting at Houston on 16-18 July. In the interest of economy this representative will be an ERIM employee who will be designated to represent several investigations.